

The NCAR/EOL Field Catalog

An Information Repository For Use In Field Projects

Al Cooper

NCAR

Disclaimer:
I'm Just Demonstrating;
Greg Stossmeister et al. are the Architects

GOALS OF THE FIELD CATALOG

Primary Uses:

- ① **To collect, at one site, information needed to make decisions.**
- ② To provide a convenient repository for the collection of reports on instrument status, mission summaries, etc..
- ③ To serve information needed during the mission, e.g., by the flight crew.
- ④ To help analysts understand cases and find appropriate data.

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- ➍ To help analysts understand cases and find appropriate data.

It is not a data archive, but a guide to the data

Analysts should go to original data.

Typical Structure:

- ① General information on the project
 - (a) Links to important tools and references
 - (b) Schedules, facilities, and plans

HIGHLY CONFIGURABLE AND FLEXIBLE

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- ① General information on the project
 - (a) Links to important tools and references
 - (b) Schedules, facilities, and plans
- ② Operational products
 - (a) satellite, radar
 - (b) synoptic upper-air and surface maps

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- ③ Forecast and model products

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- ③ Forecast and model products
- ④ Research products and daily reports
 - (a) plan-of-the-day, flight plans, instrument status
 - (b) flight tracks, video/photos, mission reports and summaries

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- ④ Research products and daily reports
 - (a) plan-of-the-day, flight plans, instrument status
 - (b) flight tracks, video/photos, mission reports and summaries
- ⑤ Links to in-field (preliminary) data
 - (a) flight tracks; preliminary data plots
 - (b) comments on instrument performance / QC

AN ILLUSTRATION: THE PREDICT CATALOG

- Products and structure will vary with needs of the project.
- PREDICT is a good recent example.
- Catalogs are intended to be permanent;
All 67 produced to date, spanning 16 y, are still live.
- The PREDICT catalog can be found at this URL:
<http://catalog.eol.ucar.edu/predict>

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Pre-Depression Investigation of Cloud-systems in the Tropics



[Catalog Home](#) [Daily Reports](#) [Operational Products](#) [Model/Forecast Products](#) [Research Products](#) [Missions](#) [Tools & Links](#) [Data Access](#) [Help ?](#)

Boulder, Colo: Sat, Jan 28, 2:22 AM UTC: **Sat, Jan 28, 8:22 Z** **St Croix, USVI:** Sat, Jan 28, 4:22 AM

Current Reports/Links:

[Operations Plan of the Day](#)
[GV Status](#)
[Weather Discussion](#)
[GV flight plan](#)
[Resource Usage](#)

X-Chat instant access



Help Documentation

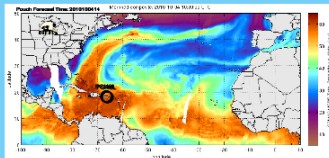
need passwd? :
gstoss at ucar.edu

Catalog Earth

[Mission Coordinator Display](#)

PREDICT flight operations concluded on 30 September 2010

Latest Atlantic Basin



Additional Imagery:

[Latest 4 hours G-13/M-9 Visible](#)
[Latest 4 hours G-13/M-9 IR](#)

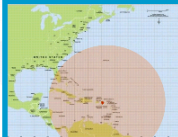
Upcoming Aircraft Schedule

DATE	TIME	PILOT	COPILOT	MISSION	STATUS	REMARKS
2010-01-28	06:00	John Doe	Jane Smith	Clouds	Completed	
2010-01-28	08:00	John Doe	Jane Smith	Clouds	In Progress	
2010-01-28	10:00	John Doe	Jane Smith	Clouds	Completed	
2010-01-28	12:00	John Doe	Jane Smith	Clouds	In Progress	
2010-01-28	14:00	John Doe	Jane Smith	Clouds	Completed	
2010-01-28	16:00	John Doe	Jane Smith	Clouds	In Progress	
2010-01-28	18:00	John Doe	Jane Smith	Clouds	Completed	
2010-01-28	20:00	John Doe	Jane Smith	Clouds	In Progress	
2010-01-28	22:00	John Doe	Jane Smith	Clouds	Completed	

General Information:

[PREDICT Web Site](#)
[NHC Aircraft Reconnaissance Plan of the Day](#)
[NOAA/HRD Updates](#)
[NASA GRIP at JPL site](#)
[CIMSS PREDICT Page](#)
[NPS Wave-Pouch Page](#)

PREDICT Domain



Comments

THE HOME PAGE



PREDICT
Pre-Depression Investigation of Cloud-systems in the Tropics

EARTH OBSERVING LABORATORY

[Catalog Home](#) [Daily Reports](#) [Operational Products](#) [Model/Forecast Products](#) [Research Products](#) [Missions](#) [Tools & Links](#) [Data Access](#) [Help ?](#)

Boulder, Colo: Sat, Jan 28, 8:22 AM UTC: Sat, Jan 28, 8:22 Z St Croix, USVI: Sat, Jan 28, 4:22 AM

Current Reports/Links:

- Operations Plan of the Day
- GV Status
- Weather Discussion
- GV flight plan
- Resource Usage

X-Chat instant access



Help Documentation

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Catalog Earth

Mission Coordinator Display

PREDICT flight operations concluded on 30 September 2010

Buttons (for this project):

- Home
- Daily Reports
- Operational Products
- Model / Forecast Products
- Research Products
- Missions
- Tools and Links
- Data Access
- Help

Information:

- Web Site
- Commissaire the Day
- Updates
- at JPL site
- PREDICT Page
- Touch Page

Domain



Comments

THE HOME PAGE

[Catalog Home](#)

Daily Reports

Operational Products

Model/Forecast Products

Research Products

Missions

Tools & Links

Data Access

Help ?

Boulder, Colo: Sat, Jan 28, 2:22 AM UTC:

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Current Reports/Links:

Operations Plan of the Day

GV Status

Weather Discussion

GV flight plan

Resource Usage

X-Chat instant access

[Help Documentation](#)

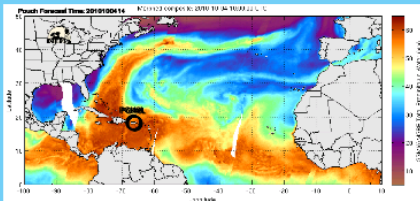
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Catalog Earth

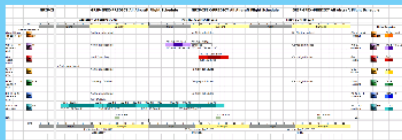
Mission Coordinator Display

**PREDICT flight operations
concluded on 30
September 2010**

Latest Atlantic Basin



Additional Imagery:



General Information:

PREDICT Web Site

NHC Aircraft Reconnaissance Plan of the Day

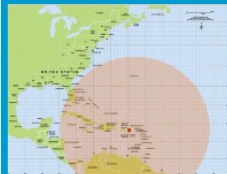
NOAA/HRD Updates

NASA GRIP at JPL site


CIMSS PREDICT Page

NPS Wave-Pouch Page


PREDICT Domain



Comments



Pre-Depression Investigation of Cloud-systems in the Tropics



[Catalog Home](#) [Daily Reports](#) [Operational Products](#) [Model/Forecast Products](#) [Research Products](#) [Missions](#) [Tools & Links](#) [Data Access](#) [Help ?](#)

Boulder, Colo: **Thur, Jan 26, 5:52 PM UTC:** **Thur, Jan 26, 23:52 Z** **St Croix, USVI:** **Thur, Jan 26, 7:52 PM**

Current Reports/Links:

[Operations Plan of the Day](#)
[GV Status](#)
[Weather Discussion](#)
[GV flight plan](#)
[Resource Usage](#)

X-Chat instant access



Help Documentation

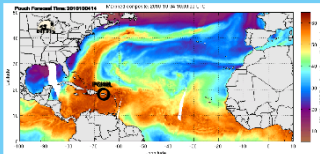
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Catalog Earth

[Mission Coordinator Display](#)

**PREDICT flight operations
concluded on 30
September 2010**

Latest Atlantic Basin



Additional Imagery:

[Latest 4 hours G-13/M-9 Visible](#)
[Latest 4 hours G-13/M-9 IR](#)

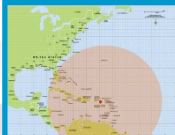
Upcoming Aircraft Schedule

DATE	TIME	MISSION	PILOT	COPILOT	REMARKS
2010-01-26	06:00	GV-1	...	...	...
2010-01-26	07:00	GV-2	...	...	...
2010-01-26	08:00	GV-3	...	...	...
2010-01-26	09:00	GV-4	...	...	...
2010-01-26	10:00	GV-5	...	...	...
2010-01-26	11:00	GV-6	...	...	...
2010-01-26	12:00	GV-7	...	...	...
2010-01-26	13:00	GV-8	...	...	...
2010-01-26	14:00	GV-9	...	...	...
2010-01-26	15:00	GV-10	...	...	...
2010-01-26	16:00	GV-11	...	...	...
2010-01-26	17:00	GV-12	...	...	...
2010-01-26	18:00	GV-13	...	...	...
2010-01-26	19:00	GV-14	...	...	...
2010-01-26	20:00	GV-15	...	...	...
2010-01-26	21:00	GV-16	...	...	...
2010-01-26	22:00	GV-17	...	...	...
2010-01-26	23:00	GV-18	...	...	...
2010-01-27	00:00	GV-19	...	...	...
2010-01-27	01:00	GV-20	...	...	...
2010-01-27	02:00	GV-21	...	...	...
2010-01-27	03:00	GV-22	...	...	...
2010-01-27	04:00	GV-23	...	...	...
2010-01-27	05:00	GV-24	...	...	...
2010-01-27	06:00	GV-25	...	...	...
2010-01-27	07:00	GV-26	...	...	...
2010-01-27	08:00	GV-27	...	...	...
2010-01-27	09:00	GV-28	...	...	...
2010-01-27	10:00	GV-29	...	...	...
2010-01-27	11:00	GV-30	...	...	...
2010-01-27	12:00	GV-31	...	...	...
2010-01-27	13:00	GV-32	...	...	...
2010-01-27	14:00	GV-33	...	...	...
2010-01-27	15:00	GV-34	...	...	...
2010-01-27	16:00	GV-35	...	...	...
2010-01-27	17:00	GV-36	...	...	...
2010-01-27	18:00	GV-37	...	...	...
2010-01-27	19:00	GV-38	...	...	...
2010-01-27	20:00	GV-39	...	...	...
2010-01-27	21:00	GV-40	...	...	...
2010-01-27	22:00	GV-41	...	...	...
2010-01-27	23:00	GV-42	...	...	...
2010-01-28	00:00	GV-43	...	...	...
2010-01-28	01:00	GV-44	...	...	...
2010-01-28	02:00	GV-45	...	...	...
2010-01-28	03:00	GV-46	...	...	...
2010-01-28	04:00	GV-47	...	...	...
2010-01-28	05:00	GV-48	...	...	...
2010-01-28	06:00	GV-49	...	...	...
2010-01-28	07:00	GV-50	...	...	...
2010-01-28	08:00	GV-51	...	...	...
2010-01-28	09:00	GV-52	...	...	...
2010-01-28	10:00	GV-53	...	...	...
2010-01-28	11:00	GV-54	...	...	...
2010-01-28	12:00	GV-55	...	...	...
2010-01-28	13:00	GV-56	...	...	...
2010-01-28	14:00	GV-57	...	...	...
2010-01-28	15:00	GV-58	...	...	...
2010-01-28	16:00	GV-59	...	...	...
2010-01-28	17:00	GV-60	...	...	...
2010-01-28	18:00	GV-61	...	...	...
2010-01-28	19:00	GV-62	...	...	...
2010-01-28	20:00	GV-63	...	...	...
2010-01-28	21:00	GV-64	...	...	...
2010-01-28	22:00	GV-65	...	...	...
2010-01-28	23:00	GV-66	...	...	...
2010-01-29	00:00	GV-67	...	...	...
2010-01-29	01:00	GV-68	...	...	...
2010-01-29	02:00	GV-69	...	...	...
2010-01-29	03:00	GV-70	...	...	...
2010-01-29	04:00	GV-71	...	...	...
2010-01-29	05:00	GV-72	...	...	...
2010-01-29	06:00	GV-73	...	...	...
2010-01-29	07:00	GV-74	...	...	...
2010-01-29	08:00	GV-75	...	...	...
2010-01-29	09:00	GV-76	...	...	...
2010-01-29	10:00	GV-77	...	...	...
2010-01-29	11:00	GV-78	...	...	...
2010-01-29	12:00	GV-79	...	...	...
2010-01-29	13:00	GV-80	...	...	...
2010-01-29	14:00	GV-81	...	...	...
2010-01-29	15:00	GV-82	...	...	...
2010-01-29	16:00	GV-83	...	...	...
2010-01-29	17:00	GV-84	...	...	...
2010-01-29	18:00	GV-85	...	...	...
2010-01-29	19:00	GV-86	...	...	...
2010-01-29	20:00	GV-87	...	...	...
2010-01-29	21:00	GV-88	...	...	...
2010-01-29	22:00	GV-89	...	...	...
2010-01-29	23:00	GV-90	...	...	...
2010-01-30	00:00	GV-91	...	...	...
2010-01-30	01:00	GV-92	...	...	...
2010-01-30	02:00	GV-93	...	...	...
2010-01-30	03:00	GV-94	...	...	...
2010-01-30	04:00	GV-95	...	...	...
2010-01-30	05:00	GV-96	...	...	...
2010-01-30	06:00	GV-97	...	...	...
2010-01-30	07:00	GV-98	...	...	...
2010-01-30	08:00	GV-99	...	...	...
2010-01-30	09:00	GV-100	...	...	...

General Information:

[PREDICT Web Site](#)
[NHC Aircraft Reconnaissance Plan of the Day](#)
[NOAA/HRD Updates](#)
[NASA GRIP at JPL site](#)
[CIMSS PREDICT Page](#)
[NPS Wave-Pouch Page](#)

PREDICT Domain



Comments





Pre-Depression Investigation of Cloud-systems in the Tropics



[Catalog Home](#) [Daily Reports](#) [Operational Products](#) [Model/Forecast Products](#) [Research Products](#) [Missions](#) [Tools & Links](#) [Data Access](#) [Help ?](#)

Boulder, Colo: **Thur, Jan 26, 5:52 PM UTC:** **Thur, Jan 26, 23:52 Z** **St Croix, USVI:** **Thur, Jan 26, 7:52 PM**

Current Reports/Links

- Daily Operations Plan
- Status of Equipment
- Weather briefing

Current Reports/Links:

- Operations Plan of the Day
 - GV Status
- Weather Discussion
 - GV flight plan
 - Resource Usage

X-Chat instant access



Help Documentation

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Catalog Earth

Mission Coordinator Display

PREDICT flight operations concluded on 30 September 2010

General Information:

- PREDICT Web Site
- Aircraft Reconnaissance Plan of the Day
- NOAA/HRD Updates
- ASA GRIP at JPL site
- CIUSS PREDICT Page
- NPS Wave-Pouch Page

PREDICT Domain



Additional Imagery:

Latest 4 hours G-13/M-9 Visible
Latest 4 hours G-13/M-9 IR

Upcoming Aircraft Schedule





Comments

Current Reports/Links:

Operations Plan of the Day

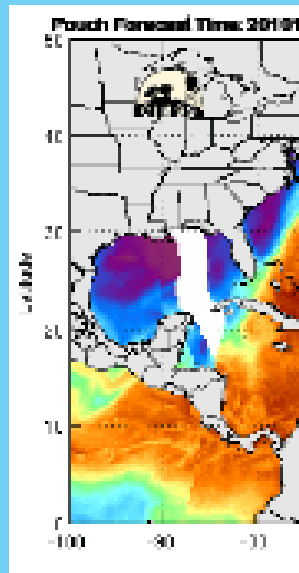
GV Status

Weather Discussion


GV flight plan

Resource Usage

X-Chat instant access



THE HOME PAGE



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[Catalog Home](#) [Daily Reports](#) [Operational Products](#) [Model/Forecast Products](#) [Research Products](#) [Missions](#) [Tools & Links](#) [Data Access](#) [Help ?](#)

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Current Reports/Links:

- Operations Plan of the Day
- GV Status
- Weather Discussion
- GV flight plan
- Resource Usage

X-Chat instant access



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Catalog Earth

Mission Coordinator Display

PREDICT flight operations concluded on 30 September 2010

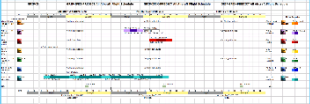
Access to Tools

- XChat access
- Documentation on Usage

Additional Imagery:

Latest 4 hours G-13/M-9 Visible
Latest 4 hours G-13/M-9 IR


Upcoming Aircraft Schedule




General Information:

- PREDICT Web Site
- Aircraft Reconnaissance Plan of the Day
- NOAA/HRD Updates
- ASA GRIP at JPL site
- DIMSS PREDICT Page
- NPS Wave-Pouch Page

PREDICT Domain





Comments

X-Chat instant access

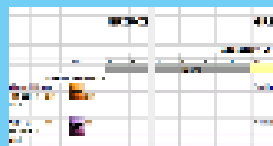
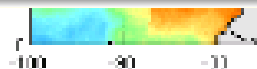


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Catalog Earth


Mission Coordinator



THE HOME PAGE



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- Weather Discussion
- GV flight plan
- Resource Usage

X-Chat instant access



Help Documentation

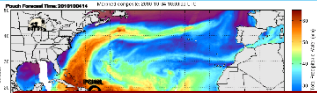
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Catalog Earth

Mission Coordinator Display


PREDICT flight operations concluded on 30 September 2010

Latest Atlantic Basin



More Tools

- Mission Coordinator Display (real time)
- Catalog Earth (replay capable)




General Information:

- PREDICT Web Site
- NHC Aircraft Reconnaissance Plan of the Day
- NOAA/HRD Updates
- NASA GRIP at JPL site
- CI-MSS PREDICT Page
- PS Wave-Pouch Page

PREDICT Domain



Comments

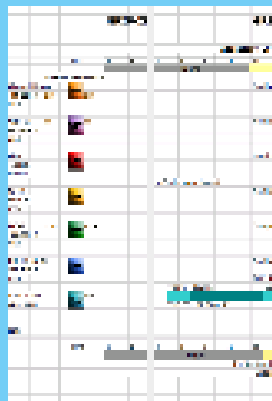



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Catalog Earth


Mission Coordinator
Display

*PREDICT flight operations
concluded on 30
September 2010*





Pre-Depression Investigation of Cloud-systems in the Tropics




[Catalog Home](#)
[Daily Reports](#)
[Operational Products](#)
[Model/Forecast Products](#)
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[Data Access](#)
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X-Chat instant access



Help Documentation

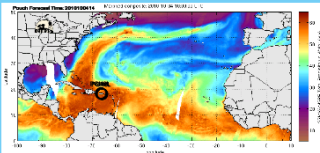
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Catalog Earth

Mission Coordinator Display

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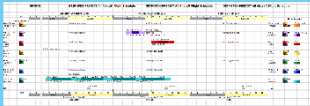
Latest Atlantic Basin



Additional Imagery:

Latest 4 hours G-13/M-9 Visible
Latest 4 hours G-13/M-9 IR

Upcoming Aircraft Schedule




General Information:

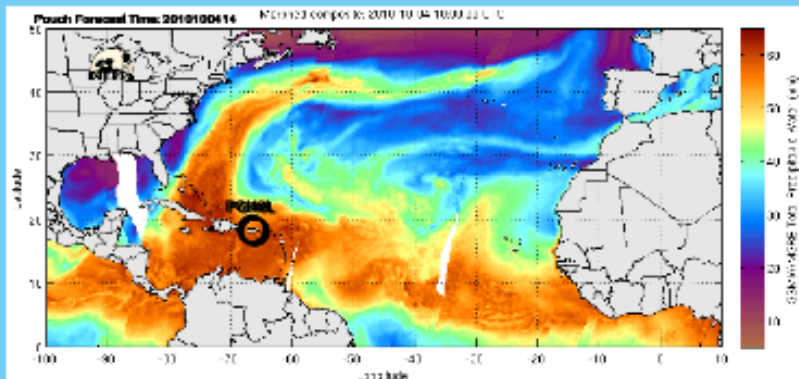
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PREDICT Domain




Comments

Latest Atlantic Basin



Additional Imagery:

Latest 4 hours G-13/M-9 Visible
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THE HOME PAGE



Pre-Depression Investigation of Cloud-systems in the Tropics



[Catalog Home](#) [Daily Reports](#) [Operational Products](#) [Model/Forecast Products](#) [Research Products](#) [Missions](#) [Tools & Links](#) [Data Access](#) [Help ?](#)

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Current Reports/Links:

- [Operations Plan of the Day](#)
- [GV Status](#)
- [Weather Discussion](#)
- [GV flight plan](#)
- [Resource Usage](#)

X-Chat instant chat



Help Documents

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Catalog Earth

Mission Coordinator Display


PREDICT flight operations concluded on 30 September 2010

Latest Atlantic Basin



Planned Aircraft Flight Times

Upcoming Aircraft Schedule



General Information:

- [PREDICT Web Site](#)
- [NHC Aircraft Reconnaissance Plan of the Day](#)
- [NOAA/HRD Updates](#)
- [NASA GRIP at JPL site](#)
- [CIMSS PREDICT Page](#)
- [NPS Wave-Pouch Page](#)

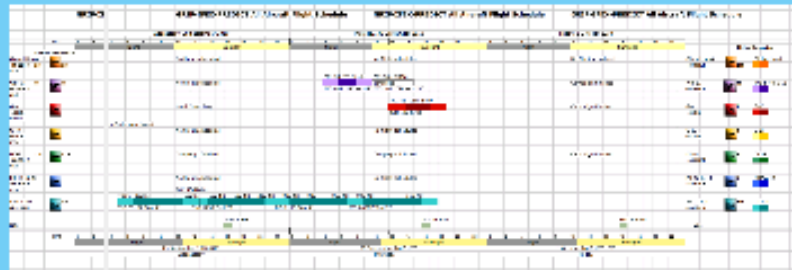
PREDICT Domain



Comments



THE HOME PAGE



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[Catalog Home](#) [Daily Reports](#) [Operational Products](#) [Model/Forecast Products](#) [Research Products](#) [Missions](#) [Tools & Links](#) [Data Access](#) [Help ?](#)

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Catalog Earth

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Project Links

- Project Web Site
- Special Forecast Web Sites



General Information:

- PREDICT Web Site
- NHC Aircraft Reconnaissance Plan of the Day
- NOAA/HRD Updates
- NASA GRIP at JPL site
- CIMSS PREDICT Page
- NPS Wave-Pouch Page

PREDICT Domain



Comments



x, USVI: Thur, Jan 26, 7:52 PM

General Information:

PREDICT Web Site

NHC Aircraft Reconnaissance
Plan of the Day

NOAA/HRD Updates

NASA GRIP at JPL site

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Pre-Depression Investigation of Cloud-systems in the Tropics




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Boulder, Colo: **Thur, Jan 26, 5:52 PM UTC:** **Thur, Jan 26, 23:52 Z** **St Croix, USVI:** **Thur, Jan 26, 7:52 PM**

Current Reports/Links:

- [Operations Plan of the Day](#)
- [GV Status](#)
- [Weather Discussion](#)
- [GV flight plan](#)
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X-Chat instant access



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*need password
gloss at ucar.edu*

Catalog Earth

Mission Coordinator Display

PREDICT flight operations concluded on 30 September 2010

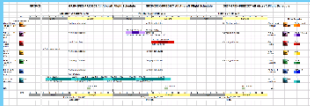
Latest Atlantic Basin



Additional Images

Map of Operations Area

Upcoming Aircraft Schedule



General Information:

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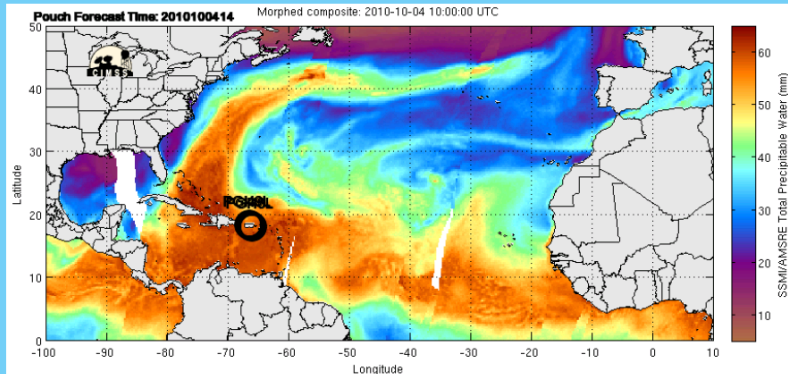


Comments

PREDICT Domain



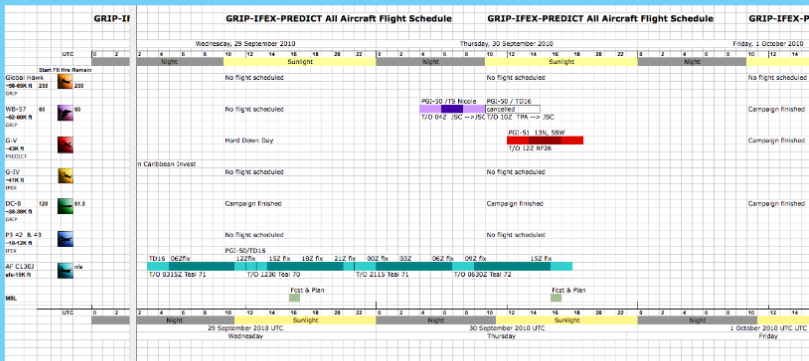
Latest Atlantic Basin



Additional Imagery:

Latest 4 hours G-13/M-9 Visible
Latest 4 hours G-13/M-9 IR

Upcoming Aircraft Schedule



OPERATIONAL PRODUCTS

Stored By Date / Time

Browse by Date:

☒ UTC ☐ CST

June 2010							July 2010							August 2010							September 2010						
Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1	2	3	4	5					1	2	3	1	2	3	4	5	6	7				1	2	3	4
6	7	8	9	10	11	12	4	5	6	7	8	9	10	8	9	10	11	12	13	14	5	6	7	8	9	10	11
13	14	15	16	17	18	19	11	12	13	14	15	16	17	15	16	17	18	19	20	21	12	13	14	15	16	17	18
20	21	22	23	24	25	26	18	19	20	21	22	23	24	22	23	24	25	26	27	28	19	20	21	22	23	24	25
27	28	29	30				25	26	27	28	29	30	31	29	30	31					26	27	28	29	30		

Browse by Operational Products:

Analysis Products

MTM_PGI_Analysis

650_mb_Africa_Analysis

Latest

Start Date

End Date

retrieve products

Satellite Products

NRL_Tropics

O1L_ALEX_AMSRE_36h

Latest

Start Date

End Date

retrieve products

GOES-13_METEOSAT-9

composite_thermal-IR

Latest

Start Date

End Date

retrieve products

OPERATIONAL PRODUCTS

Moving Down Page:

goes-13

MC_Display_ch4_thermal-IR Latest Start Date
End Date

Hovmoller

Africa_Meteosat-9 Latest Start Date
End Date

meteosat9

PGI21L_VIS_SWIR Latest Start Date
End Date

Radar Products

Radar

Altamira_MX Latest Start Date End Date

NEXRAD

San_Juan Latest Start Date End Date

Upper Air Products

Time_Height

Belize_Actual_Wind
Latest Start Date End Date

Skewt

Belize Latest Start Date

OPERATIONAL PRODUCTS

Includes Satellite, Upper Air, Surface, etc.

Surface Products

AOML_Analyses

SST_analysis

Latest

Start Date

End Date

retrieve products

OPC_Surface_Analysis

unified_analysis

Latest

Start Date

End Date

retrieve products

Text Products

NHC_text

Aviation_Advisory

Latest

Start Date

End Date

retrieve products

Interactive Map Products

cosmic

interactive_soundings

Latest

Start Date

End Date

retrieve products



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omments : [gstooss at ucar.edu](#)

OPERATIONAL PRODUCTS

Under GOES-13, many channels:

Analysis Products	
MTM_PGI_Analysis	<div>MC_Display_ch4_thermal-IR PGI17L_ch1_vis PGI17L_ch3_water_vapor PGI17L_ch4_thermal-IR PGI19L_ch1_vis PGI19L_ch3_water_vapor PGI19L_ch4_thermal-IR PGI20L_ch1_vis PGI20L_ch3_water_vapor PGI20L_ch4_thermal-IR PGI21L_ch1_vis PGI21L_ch3_water_vapor PGI21L_ch4_thermal-IR PGI22L_ch12_vis_swir PGI22L_ch1_vis PGI22L_ch3_water_vapor PGI22L_ch4_thermal-IR PGI23L_ch12_vis_swir PGI23L_ch1_vis PGI23L_ch3_water_vapor</div> <div>Latest Start Date</div>
Satellite Products	
NRL_Tropics	<div>Latest</div> <div>retrieve products</div>
GOES-13_METEOSAT-9	<div>Start Date</div>
GOES	<div>Latest Start Date</div>
goes-13	<div>Latest Start Date</div> <div>End Date retrieve products</div>
Hovmoller	<div>Africa_Meteosat-9 Latest Start Date</div> <div>End Date retrieve products</div>

OPERATIONAL PRODUCTS

PGI17L_ch4_thermal-IR
PGI19L_ch1_vis
PGI19L_ch3_water_vapor
PGI19L_ch4_thermal-IR
PGI20L_ch1_vis
PGI20L_ch3_water_vapor
PGI20L_ch4_thermal-IR
PGI21L_ch1_vis
PGI21L_ch3_water_vapor
PGI21L_ch4_thermal-IR
PGI22L_ch12_vis_swir
PGI22L_ch1_vis
PGI22L_ch3_water_vapor
PGI22L_ch4_thermal-IR
PGI23L_ch12_vis_swir
PGI23L_ch1_vis
PGI23L_ch3_water_vapor

MC_Display_ch4_thermal-IR

End Date

retrieve

latest

Start Date

cts

Latest

retrieve products

Start Date

cts

Latest

Start Date

cts

Latest

Start Date

Africa_Meteosat-9

Latest

Start Date

OPERATIONAL PRODUCTS

Click on date; display then shows individual products

Then click on time to see image

MC_Display_ch4_thermal-IR	0015 0045	0115 0145	0215 0245	0315 0345	0415		0615 0645	0715 0745	0815 0845	0915 0945	1015 1045	1115 1145	1215 1245	1315 1345	1415 1445	1515 1545	1615 1645	1715 1745	1815 1845	1915 1945	2015 2045	2115 2145	2215 2245	2315 2345	
PGI31L_ch12_vis_swir	0015 0045	0115 0145	0202 0245	0302 0345	0402 0415	0532	0615 0645	0702 0745	0802 0845	0915 0945	1015 1045	1102 1145	1215 1245	1302 1345	1402 1445	1515 1545	1602 1645	1715 1745	1815 1845	1902 1945	2015 2045	2115 2145	2202 2245	2302 2345	
PGI31L_ch1_vis									0845	0915 0945	1015 1045	1102 1145	1215 1245	1315 1345	1415 1445	1515 1545	1602 1645	1702 1745	1815 1845	1915 1945	2015 2045	2115 2145	2215 2245	2315 2345	
PGI31L_ch3_water_vapor	0015 0045	0115 0145	0202 0245	0315 0345	0402 0415	0532	0615 0645	0702 0745	0802 0845	0915 0945	1015 1045	1102 1145	1215 1245	1315 1345	1415 1445	1515 1545	1615 1645	1715 1745	1815 1845	1915 1945	2015 2045	2115 2145	2215 2245	2315 2345	
PGI31L_ch4_thermal-IR	0015 0045	0115 0145	0202 0245	0315 0345	0402 0415	0532	0615 0645	0702 0745	0802 0845	0915 0945	1015 1045	1102 1145	1215 1245	1302 1345	1402 1445	1515 1545	1602 1645	1702 1745	1815 1845	1915 1945	2015 2045	2115 2145	2215 2245	2315 2345	
PGI37L_ch12_vis_swir														1402 1432	1515 1545	1602 1632	1702 1732	1815 1845	1915 1945	2015 2045	2115 2145	2215 2245	2315 2345		
PGI37L_ch1_vis														1402 1432	1515 1545	1602 1632	1702 1732	1815 1845	1915 1945	2015 2045	2115 2145	2215 2245	2315 2345		
PGI37L_ch3_water_vapor														1402 1432	1515 1545	1602 1632	1702 1732	1815 1845	1915 1945	2015 2045	2115 2145	2215 2245	2315 2345		
PGI37L_ch4_thermal-IR														1402 1432	1515 1545	1602 1632	1702 1732	1815 1845	1915 1945	2015 2045	2115 2145	2215 2245	2315 2345		

meteosat9

PGI34L_ch14_vis_swir	0000 0030	0100 0130	0200 0230	0300 0330	0400 0430	0500 0530	0615 0630	0700 0730	0800 0830	0900 0930	1000 1030	1100 1130	1200 1230	1300 1330	1400 1430	1500 1530	1600 1630	1700 1730	1800 1830	1900 1930	2000 2030	2100 2130	2200 2230	2300 2330	
PGI34L_ch5_water_vapor	0000 0030	0100 0130	0200 0230	0300 0330	0400 0430	0500 0530	0615 0630	0700 0730	0800 0830	0900 0930	1000 1030	1100 1130	1200 1230	1300 1330	1400 1430	1500 1530	1600 1630	1700 1730	1800 1830	1900 1930	2000 2030	2100 2130	2200 2230	2300 2330	
PGI34L_ch9_thermal-IR	0000 0030	0100 0130	0200 0230	0300 0330	0400 0430	0500 0530	0600 0630	0700 0730	0800 0830	0900 0930	1000 1030	1100 1130	1200 1230	1300 1330	1400 1430	1500 1530	1600 1630	1700 1730	1800 1830	1900 1930	2000 2030	2100 2130	2200 2230	2300 2330	
PGI35L_ch14_vis_swir	0000 0015	0100 0115	0200 0215	0300 0315	0400 0415	0500 0515	0600 0615	0700 0715	0800 0815	0900 0915	1000 1015	1100 1115	1200 1215	1300 1315	1400 1415	1500 1515	1600 1615	1700 1715	1800 1815	1900 1915	2000 2015	2100 2115	2200 2215	2300 2315	
PGI35L_ch5_water_vapor	0000 0015	0100 0115	0200 0215	0300 0315	0400 0415	0500 0515	0600 0615	0700 0715	0800 0815	0900 0915	1000 1015	1100 1115	1200 1215	1300 1315	1400 1415	1500 1515	1600 1615	1700 1715	1800 1815	1900 1915	2000 2015	2100 2115	2200 2215	2300 2315	

OPERATIONAL PRODUCTS

Click on date; display then shows individual products

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MC_Display_ch4_thermal-IR	0015 0045	0115 0045	0215 0045	0315 0045	0415	0615 0045	0715 0045	0815 0045	0915 0045	1015 0045	1115 0045	1215 0045	1315 0045	1415 0045	1515 0045	1615 0045	1715 0045	1815 0045	1915 0045	2015 0045	2115 0045	2215 0045	2315 0045	☰	
PGI31L_ch12_vis_swir	0015 0045	can set up feedreader access												1402 1432 1445	1515 1545	1602 1632 1645	1702 1732 1745	1815 1832 1845	1902 1932 1945	2002 2032 2045	2115 2132 2145	2202 2232 2245	2302 2332 2345	☰	
PGI31L_ch1_vis														1402 1432 1445	1515 1545	1602 1632 1645	1702 1732 1745	1815 1832 1845	1902 1932 1945	2002 2032 2045	2115 2132 2145	2202 2232 2245	2302 2332 2345	☰	
PGI31L_ch3_water_vapor	0015 0045	0102 0115 0132 0145	0202 0215 0232 0245	0315 0332 0345	0402 0415	0532	0615 0645	0702 0715 0732 0745	0802 0815 0845	0915 0945	1015 1032	1102 1115 1132 1145	1215 1232 1245	1302 1315 1345	1402 1432 1445	1515 1545	1602 1632 1645	1702 1732 1745	1815 1832 1845	1902 1932 1945	2002 2032 2045	2115 2132 2145	2202 2232 2245	2302 2332 2345	☰
PGI31L_ch4_thermal-IR	0015 0045	0102 0115 0132 0145	0202 0215 0232 0245	0315 0332 0345	0402 0415	0532	0615 0645	0702 0715 0732 0745	0802 0815 0845	0915 0945	1015 1032	1102 1115 1132 1145	1215 1232 1245	1302 1315 1345	1402 1432 1445	1515 1545	1602 1632 1645	1702 1732 1745	1815 1832 1845	1902 1932 1945	2002 2032 2045	2115 2132 2145	2202 2232 2245	2302 2332 2345	☰
PGI37L_ch12_vis_swir														1402 1432 1445	1515 1545	1602 1632 1645	1702 1732 1745	1815 1832 1845	1902 1932 1945	2002 2032 2045	2115 2132 2145	2202 2232 2245	2302 2332 2345	☰	
PGI37L_ch1_vis														1402 1432 1445	1515 1545	1602 1632 1645	1702 1732 1745	1815 1832 1845	1902 1932 1945	2002 2032 2045	2115 2132 2145	2202 2232 2245	2302 2332 2345	☰	
PGI37L_ch3_water_vapor														1402 1432 1445	1515 1545	1602 1632 1645	1702 1732 1745	1815 1832 1845	1902 1932 1945	2002 2032 2045	2115 2132 2145	2202 2232 2245	2302 2332 2345	☰	
PGI37L_ch4_thermal-IR														1402 1432 1445	1515 1545	1602 1632 1645	1702 1732 1745	1815 1832 1845	1902 1932 1945	2002 2032 2045	2115 2132 2145	2202 2232 2245	2302 2332 2345	☰	

can set up feedreader
access

meteosat9

PGI34L_ch14_vis_swir	0000 0030 0045	0100 0130 0145	0200 0230 0245	0300 0330 0345	0400 0430 0445	0500 0530 0545	0615 0645	0700 0730 0745	0800 0830 0845	0900 0930 0945	1000 1030 1045	1100 1130 1145	1200 1230 1245	1300 1330 1345	1400 1430 1445	1500 1530 1545	1600 1630 1645	1700 1730 1745	1800 1830 1845	1900 1930 1945	2000 2030 2045	2100 2130 2145	2200 2230 2245	2300 2330 2345	☰
PGI34L_ch5_water_vapor	0000 0015 0030 0045	0100 0115 0130 0145	0200 0215 0230 0245	0300 0315 0330 0345	0400 0415 0430 0445	0500 0515 0530 0545	0615 0645	0700 0730 0745	0800 0830 0845	0900 0930 0945	1000 1030 1045	1100 1130 1145	1200 1230 1245	1300 1330 1345	1400 1430 1445	1500 1530 1545	1600 1630 1645	1700 1730 1745	1800 1830 1845	1900 1930 1945	2000 2030 2045	2100 2130 2145	2200 2230 2245	2300 2330 2345	☰
PGI34L_ch9_thermal-IR	0000 0015 0030 0045	0100 0115 0130 0145	0200 0215 0230 0245	0300 0315 0330 0345	0400 0415 0430 0445	0500 0515 0530 0545	0615 0645	0700 0730 0745	0800 0830 0845	0900 0930 0945	1000 1030 1045	1100 1130 1145	1200 1230 1245	1300 1330 1345	1400 1430 1445	1500 1530 1545	1600 1630 1645	1700 1730 1745	1800 1830 1845	1900 1930 1945	2000 2030 2045	2100 2130 2145	2200 2230 2245	2300 2330 2345	☰
PGI35L_ch14_vis_swir	0000 0015 0030 0045	0100 0115 0130 0145	0200 0215 0230 0245	0300 0315 0330 0345	0400 0415 0430 0445	0500 0515 0530 0545	0615 0645	0700 0730 0745	0800 0830 0845	0900 0930 0945	1000 1030 1045	1100 1130 1145	1200 1230 1245	1300 1330 1345	1400 1430 1445	1500 1530 1545	1600 1630 1645	1700 1730 1745	1800 1830 1845	1900 1930 1945	2000 2030 2045	2100 2130 2145	2200 2230 2245	2300 2330 2345	☰
PGI35L_ch5_water_vapor	0000 0015 0030 0045	0100 0115 0130 0145	0200 0215 0230 0245	0300 0315 0330 0345	0400 0415 0430 0445	0500 0515 0530 0545	0615 0645	0700 0730 0745	0800 0830 0845	0900 0930 0945	1000 1030 1045	1100 1130 1145	1200 1230 1245	1300 1330 1345	1400 1430 1445	1500 1530 1545	1600 1630 1645	1700 1730 1745	1800 1830 1845	1900 1930 1945	2000 2030 2045	2100 2130 2145	2200 2230 2245	2300 2330 2345	☰

OPERATIONAL PRODUCTS

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MC_Display_ch4_thermal-IR	0015 0045	0115 0145	0215 0245	0315 0345	0415		0615 0645	0715 0745	0815 0845	0915 0945	1015 1045	1115 1145	1215 1245	1315 1345	1415 1445	1515 1545	1615 1645	1715 1745	1815 1845	1915 1945	2015 2045	2115 2145	2215 2245	2315 2345	☰
PGI31L_ch12_vis_swir	0015 0045	0102 0132 0145	0202 0215 0245	0315 0332 0345	0402 0415	0532	0615 0645	0702 0715 0745	0802 0815 0845	0915 0945	1015 1032 1045	1102 1115 1145	1215 1232 1245	1302 1315 1345	1402 1415 1445	1515	1602 1632 1645	1702 1732 1745	1815 1832 1845	1902 1915 1945	2002 2015 2045	2115 2132 2145	2202 2215 2245	2302 2315 2345	☰
PGI31L_ch1_vis									0845	0915 0932 0945	1015 1032 1045	1115 1132 1145	1215 1232 1245	1302 1315 1345	1402 1415 1445	1515	1602 1632 1645	1702 1732 1745	1815 1832 1845	1902 1915 1945	2002 2015 2045	2115 2132 2145	2202 2215 2245	2302 2315 2345	☰
PGI31L_ch3_water_vapor	0015 0045	0102 0115 0132 0145	0202 0215 0232 0245	0315 0332 0345	0402 0415	0532	0615 0632 0645	0702 0715 0745	0802 0815 0845	0915 0945	1015 1032 1045	1115 1132 1145	1215 1232 1245	1302 1315 1345	1402 1415 1445	1515	1602 1632 1645	1702 1732 1745	1815 1832 1845	1902 1915 1945	2002 2015 2045	2115 2132 2145	2202 2215 2245	2302 2315 2345	☰
PGI31L_ch4_thermal-IR	0015 0045	0102 0115 0132 0145	0202 0215 0232 0245	0315 0332 0345	0402 0415	0532	0615 0632 0645	0702 0715 0745	0802 0815 0845	0915 0945	1015 1032 1045	1115 1132 1145	1215 1232 1245	1302 1315 1345	1402 1415 1445	1515	1602 1632 1645	1702 1732 1745	1815 1832 1845	1902 1915 1945	2002 2015 2045	2115 2132 2145	2202 2215 2245	2302 2315 2345	☰
PGI37L_ch12_vis_swir																		02 05 08 11 14	1815 1832 1845	1915 1932 1945	2002 2015 2045	2115 2132 2145	2202 2215 2245	2302 2315 2345	☰
PGI37L_ch1_vis															1402 1415	1515	1602 1632 1645	1702 1732 1745	1832 1845	1902 1932 1945	2002 2045	2132 2145	2202 2245	2302 2345	☰
PGI37L_ch3_water_vapor															1402 1415	1515	1602 1632 1645	1702 1732 1745	1832 1845	1902 1932 1945	2002 2045	2132 2145	2202 2245	2302 2345	☰
PGI37L_ch4_thermal-IR															1402 1415	1515	1602 1632 1645	1702 1732 1745	1815 1832 1845	1902 1932 1945	2002 2045	2115 2132 2145	2202 2215 2245	2302 2315 2345	☰

tool for movie play-back

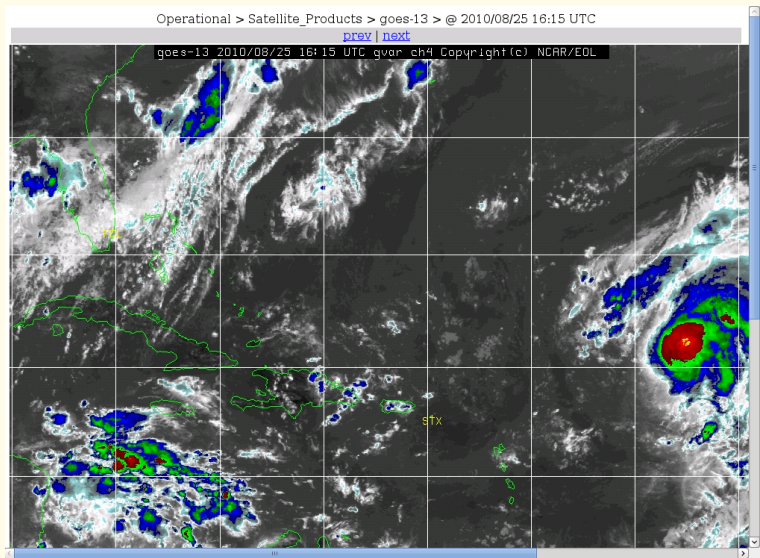


meteosat9

PGI34L_ch14_vis_swir	0000 0015 0030 0045	0100 0115 0130 0145	0200 0215 0230 0245	0300 0315 0330 0345	0400 0415 0430 0445	0500 0515 0530 0545	0600 0615 0630 0645	0700 0715 0730 0745	0800 0815 0830 0845	0900 0915 0930 0945	1000 1015 1030 1045	1100 1115 1130 1145	1200 1215 1230 1245	1300 1315 1330 1345	1400 1415 1430 1445	1500 1515 1530 1545	1600 1615 1630 1645	1700 1715 1730 1745	1800 1815 1830 1845	1900 1915 1930 1945	2000 2015 2030 2045	2100 2115 2130 2145	2200 2215 2230 2245	2300 2315 2330 2345	☰
PGI34L_ch5_water_vapor	0000 0015 0030 0045	0100 0115 0130 0145	0200 0215 0230 0245	0300 0315 0330 0345	0400 0415 0430 0445	0500 0515 0530 0545	0600 0615 0630 0645	0700 0715 0730 0745	0800 0815 0830 0845	0900 0915 0930 0945	1000 1015 1030 1045	1100 1115 1130 1145	1200 1215 1230 1245	1300 1315 1330 1345	1400 1415 1430 1445	1500 1515 1530 1545	1600 1615 1630 1645	1700 1715 1730 1745	1800 1815 1830 1845	1900 1915 1930 1945	2000 2015 2030 2045	2100 2115 2130 2145	2200 2215 2230 2245	2300 2315 2330 2345	☰
PGI34L_ch9_thermal-IR	0015 0030 0045	0115 0130 0145	0215 0230 0245	0315 0330 0345	0415 0430 0445	0515 0530 0545	0615 0630 0645	0715 0730 0745	0815 0830 0845	0915 0930 0945	1015 1030 1045	1115 1130 1145	1215 1230 1245	1315 1330 1345	1415 1430 1445	1515	1615 1630 1645	1715 1730 1745	1815 1830 1845	1915 1930 1945	2015 2030 2045	2115 2130 2145	2215 2230 2245	2315 2330 2345	☰
PGI35L_ch14_vis_swir	0015 0030 0045	0115 0130 0145	0215 0230 0245	0315 0330 0345	0415 0430 0445	0515 0530 0545	0615 0630 0645	0715 0730 0745	0815 0830 0845	0915 0930 0945	1015 1030 1045	1115 1130 1145	1215 1230 1245	1315 1330 1345	1415 1430 1445	1515	1615 1630 1645	1715 1730 1745	1815 1830 1845	1915 1930 1945	2015 2030 2045	2115 2130 2145	2215 2230 2245	2315 2330 2345	☰
PGI35L_ch5_water_vapor	0015 0030 0045	0115 0130 0145	0215 0230 0245	0315 0330 0345	0415 0430 0445	0515 0530 0545	0615 0630 0645	0715 0730 0745	0815 0830 0845	0915 0930 0945	1015 1030 1045	1115 1130 1145	1215 1230 1245	1315 1330 1345	1415 1430 1445	1515	1615 1630 1645	1715 1730 1745	1815 1830 1845	1915 1930 1945	2015 2030 2045	2115 2130 2145	2215 2230 2245	2315 2330 2345	☰

OPERATIONAL PRODUCTS

Example: GOES IR



OPERATIONAL PRODUCTS

Radar and Sounding Examples

Product Times(UTC)		25 Aug 2010																							
		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22		23
NEXRAD (Interactive Site Map)																									
San_Juan	0005	0109	0201	0304	0409	0501	0604	0702	0800	0903	1001	1104	1203								1902	2000	2105	2209	2301
	0011	0114	0206	0310	0406	0506	0604	0708	0805	0909	1007	1110	1209								1907	2007	2111	2209	2307
	0017	0120	0212	0316	0420	0512	0610	0713	0811	0909	1007	1116	1215								1913	2012	2111	2214	2313
	0022	0126	0224	0327	0426	0524	0616	0719	0817	0915	1018	1121	1221	1301							1919	2018	2123	2220	2318
	0028	0132	0230	0332	0432	0529	0621	0725	0823	0921	1024	1123	1221	1307							1925	2024	2128	2226	2324
	0034	0138	0235	0333	0433	0535	0630	0731	0829	0926	1030	1133	1226	1313							1931	2030	2134	2232	2330
	0040	0143	0241	0339	0437	0541	0645	0739	0834	0932	1036	1139	1232	1313							1937	2036	2140	2238	2336
0046	0149	0247	0345	0443	0547	0650	0742	0840	0944	1047	1145	1242	1324							1942	2047	2145	2242	2340	
0051	0155	0253	0350	0445	0552	0656	0748	0852	0955	1059	1156	1255								1948	2053	2151	2255	2353	
0057		0258	0356	0455	0558		0754	0857													1954	2059	2157	2259	2359
Radar																									
Altamira_MX	0017	0117	0217	0317	0417	0517	0617	0717	0817	0917	1017	1117	1217	1317	1417	1517	1617	1717	1817	1917	2017	2117	2217	2317	
	0032	0132	0232	0332	0432	0532	0632	0732	0832	0932	1032	1132	1232	1332	1432	1532	1632	1732	1832	1932	2032	2132	2232	2332	
	0047	0147	0247	0347	0447	0547	0647	0747	0847	0947	1047	1147	1247	1347	1447	1547	1647	1747	1847	1947	2047	2147	2247	2347	
	0057	0157	0257	0357	0457	0557	0657	0757	0857	0957	1057	1157	1257	1357	1457	1557	1657	1757	1857	1957	2057	2157	2257	2357	
Alvarado_MX	0017	0117	0217	0317	0417	0517	0617	0717	0817	0917	1017	1117	1217	1317	1417	1517	1617	1717	1817	1917	2017	2117	2217	2317	
	0032	0132	0232	0332	0432	0532	0632	0732	0832	0932	1032	1132	1232	1332	1432	1532	1632	1732	1832	1932	2032	2132	2232	2332	
	0047	0147	0247	0347	0447	0547	0647	0747	0847	0947	1047	1147	1247	1347	1447	1547	1647	1747	1847	1947	2047	2147	2247	2347	
	0057	0157	0257	0357	0457	0557	0657	0757	0857	0957	1057	1157	1257	1357	1457	1557	1657	1757	1857	1957	2057	2157	2257	2357	
Cancun_MX	0017	0117	0217	0317	0417	0517	0617	0717	0817	0917	1017	1117	1217	1317	1417	1517	1617	1717	1817	1917	2017	2117	2217	2317	
	0032	0132	0232	0332	0432	0532	0632	0732	0832	0932	1032	1132	1232	1332	1432	1532	1632	1732	1832	1932	2032	2132	2232	2332	
	0047	0147	0247	0347	0447	0547	0647	0747	0847	0947	1047	1147	1247	1347	1447	1547	1647	1747	1847	1947	2047	2147	2247	2347	
	0057	0157	0257	0357	0457	0557	0657	0757	0857	0957	1057	1157	1257	1357	1457	1557	1657	1757	1857	1957	2057	2157	2257	2357	
Martinique	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400										
	0015	0115	0215	0315	0415	0515	0615	0715	0815	0915	1015	1115	1215	1315	1415	1500									
	0030	0130	0230	0330	0430	0530	0630	0730	0830	0930	1030	1130	1230	1330	1430	1530	1600								
	0045	0145	0245	0345	0445	0545	0645	0745	0845	0945	1045	1145	1245	1345	1445	1545	1615								
	0057	0157	0257	0357	0457	0557	0657	0757	0857	0957	1057	1157	1257	1357	1457	1557	1657	1700	1800	1900	2000	2100	2200	2300	

Upper Air Products

Product Times(UTC)	25 Aug 2010		
	00	12	
Skewt (Interactive Site Map)			
Belize	0000	1200	
Cayenne_French_Guiana	0000	1200	
Curacao_Netherland_Antilles	0000	1200	
Dakar		1200	
Grantley_Adams_Barbados		1200	
La_Raizet_Guadeloupe	0000	1200	
Nassau		1200	

OPERATIONAL PRODUCTS

Radar and Sounding Examples

Product Times(UTC)		25 Aug 2010																												
		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22		23				
NEXRAD (Interactive Site Map)																														
San_Juan	0005	0109	0201	0304	0409	0501	0604	0702	0800	0905	0903	1001	1104	1203							1902	2007	2105	2209		2301				
	0011	0114	0206	0316	0411	0506	0604	0708	0811	0909	1007	1110	1209							1907	2007	2111	2214	2313						
	0017	0120	0212	0319	0426	0524	0616	0719	0817	0915	1018	1116	1215	1301						1913	2012	2116	2219	2318						
	0022	0126	0224	0332	0437	0529	0621	0725	0823	0921	1024	1128	1221	1307						1919	2018	2122	2220	2318						
	0028	0132	0230	0337	0442	0539	0631	0731	0832	0928	1030	1133	1226	1313						1925	2024	2128	2226	2324						
	0034	0138	0235	0343	0447	0543	0639	0739	0839	0928	1030	1133	1226	1313						1931	2030	2134	2232	2330						
	0040	0143	0241	0349	0453	0541	0645	0736	0834	0932	1036	1139	1232	1318						1937	2042	2140	2244	2342						
	0046	0149	0247	0354	0459	0547	0650	0742	0840	0944	1041	1145	1244	1324						1942	2047	2145	2249	2347						
	0051	0155	0253	0350	0455	0552	0656	0748	0846	0948	1047	1149	1249							1948	2053	2151	2255	2353						
	0057									0852	0955	1059	1156	1255							1954	2059	2157	2255		2359				
Radar																														
Altamira_MX	0017	0117	0217	0317																1617	1717	1817	1917	2017		2117	2217	2317		
	0032	0132	0232	0332																1632	1732	1832	1932	2032		2132	2232	2332		
	0047	0147	0247	0347																1647	1747	1847	1947	2047		2147	2247	2347		
Alvarado_MX	0017	0117	0217	0317																1617	1717	1817	1917	2017		2117	2217	2317		
	0032	0132	0232	0332																1632	1732	1832	1932	2032		2132	2232	2332		
	0047	0147	0247	0347																1647	1747	1847	1947	2047		2147	2247	2347		
Cancun_MX	0017	0117	0217	0317																1617	1717	1817	1917	2017		2117	2217	2317		
	0032	0132	0232	0332																1632	1732	1832	1932	2032		2132	2232	2332		
	0047	0147	0247	0347																1647	1747	1847	1947	2047		2147	2247	2347		
Martinique	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400					1600	1700	1800	1900	2000		2100	2200	2300		
	0011	0111	0211	0311	0411	0515	0615	0715	0815	0915	1015	1115	1215	1315	1415					1615	1715	1815	1915	2015		2115	2215	2315		
	0031	0131	0231	0331	0431	0530	0630	0730	0830	0930	1030	1130	1230	1330	1430					1630	1730	1830	1930	2030		2130	2230	2330		
	0041	0141	0241	0341	0441	0545	0645	0745	0845	0945	1045	1145	1245	1345	1445					1645	1745	1845	1945	2045		2145	2245	2345		

Radar sites often very useful to access from the aircraft

Upper Air Products

Product Times(UTC)		25 Aug 2010		
		00	12	
Skewt (Interactive Site Map)				
Belize		0000	1200	

OPERATIONAL PRODUCTS

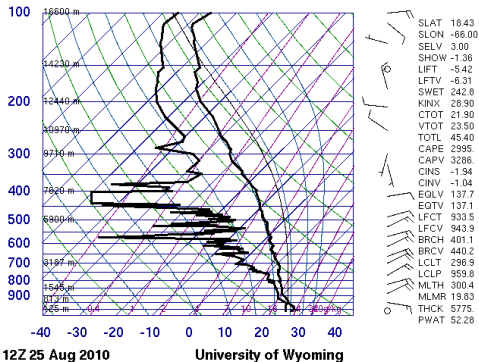
Available in Skew-T plots

Operational > Upper_Air_Products > Skewt > @ 2010/08/25 12:00 UTC

[\(Interactive Site Map\)](#)

[prev](#) | [next](#)

78526 TJSJ San Juan



Sample HTML to link to this image:

`
ops.Skewt.201008251200.San_Juan.gif `

[delete](#)

comments : [gstoss at ucar.edu](#)

FORECAST AND MODEL PRODUCTS

Model Products:

- SHIPS Intensity
- NCEP EMC Track
- Marsupial Pouch
- NCAR WRF ARW
- NHC Composite Tracks
- CIRA RAMMB TC Formation Probability
- CMC
- GFDL
- Global Ensemble (NCEP, EMCWF)
- NRL NOGAPS
- NCEP GFS
- NCEP NAM

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Similar Tools for FeedReader and Movies

Easy access: Select times and click symbol,






FORECAST AND MODEL PRODUCTS

Example For A Specific Date



Available Model Products for 2010/08/25 UTC

◀ [Previous Date\(UTC\)](#) [Next Date\(UTC\)](#) ▶

SHIPS Intensity Forecast Products

Forecast Times(UTC)	25 Aug 2010				
	00	06	12	18	
 TPC_SHIPS - Analysis and Forecast from 2010/08/25 00:00 UTC					
AL06_Intensity_Forecast	000hr				
AL96_Intensity_Forecast	000hr				
 TPC_SHIPS - Analysis and Forecast from 2010/08/25 06:00 UTC					
AL06_Intensity_Forecast		000hr			
AL96_Intensity_Forecast		000hr			
 TPC_SHIPS - Analysis and Forecast from 2010/08/25 12:00 UTC					
AL06_Intensity_Forecast			000hr		
AL07_Intensity_Forecast			000hr		
 TPC_SHIPS - Analysis and Forecast from 2010/08/25 18:00 UTC					
AL06_Intensity_Forecast				000hr	
AL07_Intensity_Forecast				000hr	

NCEP EMC Track Forecast Products

Forecast Times(UTC)	25 Aug 2010				
	00	06	12	18	
 NCEP EMC Storm Tracks - Analysis and Forecast from 2010/08/25 00:00 UTC					
CMC	0->				

FORECAST AND MODEL PRODUCTS

WRF Runs Available:

Forecast Times(UTC)	25 Aug 2010																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
WRF 4km_hur - Analysis and Forecast from 2010/08/25 00:00 UTC																								
0-5km_shear	00hr	01hr	02hr	03hr	04hr	05hr	06hr	07hr	08hr	09hr	10hr	11hr	12hr	13hr	14hr	15hr	16hr	17hr	18hr	19hr	20hr	21hr	22hr	23hr
300mb	00hr	01hr	02hr	03hr	04hr	05hr	06hr	07hr	08hr	09hr	10hr	11hr	12hr	13hr	14hr	15hr	16hr	17hr	18hr	19hr	20hr	21hr	22hr	23hr
500mb	00hr	01hr	02hr	03hr	04hr	05hr	06hr	07hr	08hr	09hr	10hr	11hr	12hr	13hr	14hr	15hr	16hr	17hr	18hr	19hr	20hr	21hr	22hr	23hr
700mb	00hr	01hr	02hr	03hr	04hr	05hr	06hr	07hr	08hr	09hr	10hr	11hr	12hr	13hr	14hr	15hr	16hr	17hr	18hr	19hr	20hr	21hr	22hr	23hr
850mb	00hr	01hr	02hr	03hr	04hr	05hr	06hr	07hr	08hr	09hr	10hr	11hr	12hr	13hr	14hr	15hr	16hr	17hr	18hr	19hr	20hr	21hr	22hr	23hr
cloud_top_temp	00hr	01hr	02hr	03hr	04hr	05hr	06hr	07hr	08hr	09hr	10hr	11hr	12hr	13hr	14hr	15hr	16hr	17hr	18hr	19hr	20hr	21hr	22hr	23hr
mslp	00hr	01hr	02hr	03hr	04hr	05hr	06hr	07hr	08hr	09hr	10hr	11hr	12hr	13hr	14hr	15hr	16hr	17hr	18hr	19hr	20hr	21hr	22hr	23hr
precip_explicit	00hr	01hr	02hr	03hr	04hr	05hr	06hr	07hr	08hr	09hr	10hr	11hr	12hr	13hr	14hr	15hr	16hr	17hr	18hr	19hr	20hr	21hr	22hr	23hr
precip_mix_ratio	00hr	01hr	02hr	03hr	04hr	05hr	06hr	07hr	08hr	09hr	10hr	11hr	12hr	13hr	14hr	15hr	16hr	17hr	18hr	19hr	20hr	21hr	22hr	23hr
reflectivity	00hr	01hr	02hr	03hr	04hr	05hr	06hr	07hr	08hr	09hr	10hr	11hr	12hr	13hr	14hr	15hr	16hr	17hr	18hr	19hr	20hr	21hr	22hr	23hr
sfc_dew	00hr	01hr	02hr	03hr	04hr	05hr	06hr	07hr	08hr	09hr	10hr	11hr	12hr	13hr	14hr	15hr	16hr	17hr	18hr	19hr	20hr	21hr	22hr	23hr
sfc_winds	00hr	01hr	02hr	03hr	04hr	05hr	06hr	07hr	08hr	09hr	10hr	11hr	12hr	13hr	14hr	15hr	16hr	17hr	18hr	19hr	20hr	21hr	22hr	23hr
tot_precip_water	00hr	01hr	02hr	03hr	04hr	05hr	06hr	07hr	08hr	09hr	10hr	11hr	12hr	13hr	14hr	15hr	16hr	17hr	18hr	19hr	20hr	21hr	22hr	23hr
WRF 4km_hur - Analysis and Forecast from 2010/08/25 12:00 UTC																								
0-5km_shear													00hr	01hr	02hr	03hr	04hr	05hr	06hr	07hr	08hr	09hr	10hr	11hr
300mb													00hr	01hr	02hr	03hr	04hr	05hr	06hr	07hr	08hr	09hr	10hr	11hr
500mb													00hr	01hr	02hr	03hr	04hr	05hr	06hr	07hr	08hr	09hr	10hr	11hr
700mb													00hr	01hr	02hr	03hr	04hr	05hr	06hr	07hr	08hr	09hr	10hr	11hr
850mb													00hr	01hr	02hr	03hr	04hr	05hr	06hr	07hr	08hr	09hr	10hr	11hr

FORECAST AND MODEL PRODUCTS

Example Model Images

Model > NCAR_WRF_ARW_Forecast_Products > WRF_4km_hur > 500mb @ 12 hours , Start: 2010/08/25 00:00

[prev](#) | [next](#)

4km EM-WRF -- NCAR/MMM for TC

Fcst., 12 h

Absolute vorticity

Temperature

Geopotential height

Horizontal wind vectors

Valid., 12 UTC Wed 25 Aug 10 106 MDT Wed 25 Aug 101

at pressure = 500 hPa

at pressure = 500 hPa

at pressure = 500 hPa

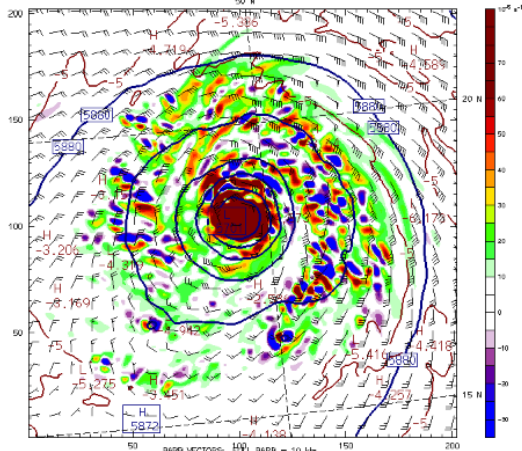
at pressure = 500 hPa

sn= 6

sn= 4

sn= 6

sn= 4



DAILY REPORTS

Typical Operations Reports

- Plan of the day
- Weather briefing
- Status of equipment
- Flight Plan
- Mission summary, science director
- Mission summary, flight scientist
- Photo archive
- Notes by other project participants

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Generated via Forms for Consistency

EXAMPLE: Weather Discussion

- Entry Boxes: date, author
- Text entry boxes for:
 - review of previous day's forecast and current conditions
 - 24 h outlook
 - 24-48 h outlook
 - extended outlook
- Ability to upload images and include links to them

DAILY REPORTS

Example: "Nowcast" Form

Procedure:

- 1 set date and name
- 2 type in entries, using "Image 1" etc to refer to images
- 3 set files for upload in image windows
- 4 click "upload" button (uses FTP, needs password)
- 5 result: text with links to images in the catalog

PREDICT Weather Nowcast Form

For use by authorized users only please.

Date of report (UTC): year: 2010 month: 01 day: 27 hour: 17 min: 47

Author of report: J. Cordiera

Preserve the format of the text being entered below?: yes

Enter the text for the discussion here:

Flight took off as scheduled at 0959 UTC. The flight entered the NO T&M on the southwest side with a 30 minute ferry that featured mostly clear skies. An area of disturbed weather associated with FG120L was progressing from east to west and was affecting the eastern extent of the flight plan.

Nowcasting was offered on the track of the G-V as it entered it's second leg of a short L&M maneuver pattern. Short-lived overshooting tops were observed on board. Only once did the G-V divert from its planned track to avoid a small overshooting top in the southeast corner of the flight plan.

The G-V landed at SIA at -1315 UTC. The flight was slightly delayed after they gained clearance to descend to -730 ft to sample the transition from the midlatitude dry air to the higher TPX air with FG120L.

UPLOAD IMAGES:

[Tip: Use the words "Image x" where x is the images number in the entered text above to generate an embedded link to the uploaded images below.]

Image 1: Browse...

Image 2: Browse...

Image 3: Browse...

Image 4: Browse...

Image 5: Browse...

DAILY REPORTS

Example Weather Forecast - excerpt

Discussion: a. Synoptic Broad upper-level ENE flow was observed over the Southeast U.S. and the Gulf of Mexico on the poleward side of a weak trough that's persisted over the Caribbean (Fig. 2). The cold low mentioned in previous discussions was located to the NNW of Puerto Rico and continues to show signs of shearing apart as it merges with cyclonic flow on the southwest portion of the upper-level trough. Mid to upper-level flow does seem to be favoring the development of cyclonic vorticity northwest of this cold low near ~23N 72W. Extremely dry mid to upper-level air in the central Atlantic is evident in GOES water vapor imagery (Fig. 2), while two main areas of low to mid-level dry air can be seen in TPW imagery: a mid-latitude dry air intrusion with subsidence above is located to the west and southwest of PGI30L, while a SAL outbreak is located just east of PGI30L and north of PGI31L (Fig. 1). A deep layer ridge is currently steering PGI30I to the WSW, while the persistent region of deep convection near PGI31L continues to favor development of this large area of elongated (though consolidating) vorticity centered ~500-600 km SW of PGI31L. Farther east in the North Atlantic the weak shortwave over the western Sahara has lifted out and the ridge to the east has built westward. This has helped re-establish an E-W oriented subtropical anticyclone over western Africa, finally allowing for some zonal

DAILY REPORTS

Example Weather Forecast - accompanying figure

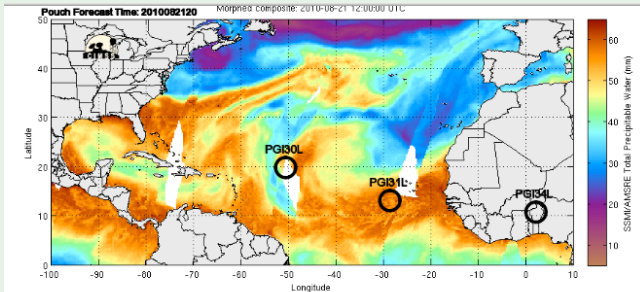


Fig. 1.

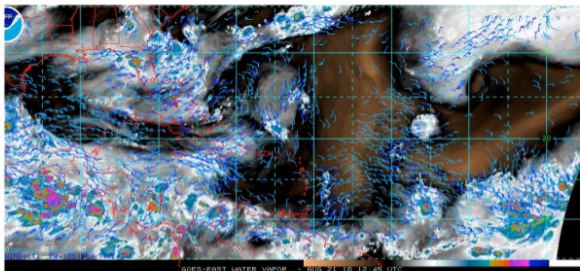


Fig. 2.

DAILY REPORTS

Example Weather Forecast - accompanying figure

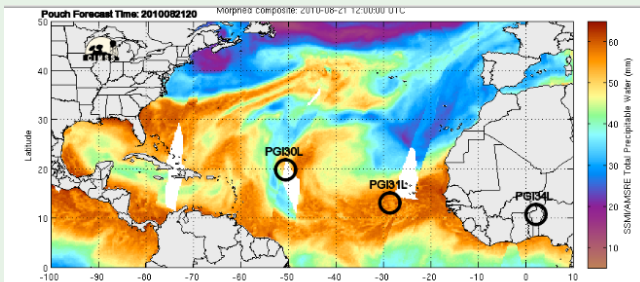


Fig. 1.

The forecast is prepared in advance, so everyone can follow along in the field catalog

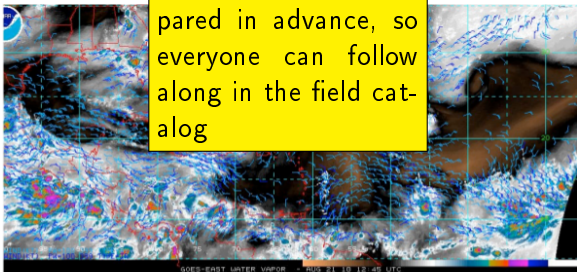


Fig. 2.

DAILY REPORTS

Example Weather Forecast - accompanying figure

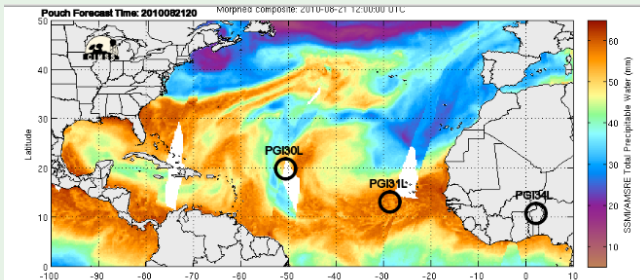


Fig. 1.

The forecaster usually shows the archived images at the appropriate places during the weather briefing

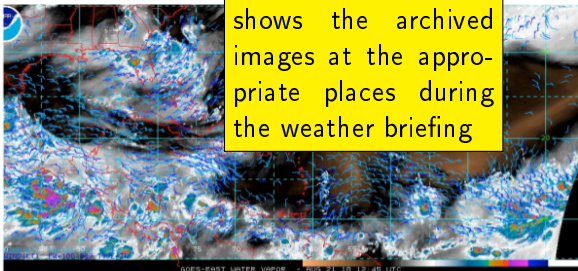


Fig. 2.

DAILY REPORTS

Flight Scientist Summary (excerpt)

Author of Report: Michael Bell

Type of Event: RF06, 2010/08/30 09:07 - 2010 08 30 18:07

Research flight 06 was conducted into PGI36L from Barbados after the evacuation of the G-V due to Hurricane Earl (Image 1). The models indicated a well-developed pouch, with sustained convection evident in satellite imagery near the center of the pattern prior to take-off. Take-off was 0900 UTC, with a 1:20 hour ferry to the first drop point. Surface winds were the strongest on the northeast side of the pattern, with whitecaps visible from the aircraft at 1222 UTC (Image 2). The proximity to Barbados allowed for an extended dropsonde pattern of 30 sondes, centered on the pouch sweet spot, and a low-level circulation became evident in the earth-relative frame from the real-time display (Image 3, 1319 UTC). Several overshooting tops were visible throughout the flight (Image 4, 1357 UTC) that frequently matched with the satellite identifications provided by the CIMSS algorithm, providing high confidence in the ability of the model to track the storm's evolution.

DAILY REPORTS

Status of GV Instrumentation

PREDICT NCAR_GV Instrument Status Report

Date of report(UTC): 2010/09/21 12:00

Author of report: schano

Submitted at(UTC): 2010/09/22 15:15

Remaining flight hours: 56.6

General Comments:

Research flight rf21 (5.9 hrs) was flown into PGI-46. Pattern restricted by lack of access to Venezuelan airspace. NASA DC-8 filed to cover, but was denied access.

INSTRUMENTS/SYSTEMS STATUS

 = up;  = provisional;  = down;  = no report

RAF-Supplied Instrumentation

1	Airborne Data System	Comment: occasional DSM drops on left wing
2	Aircraft Position, Velocity and Attitude	Comment:
3	Static Pressures	Comment:
4	GPS and Pressure Altitude	Comment: Novatel/Globalstar GPS OK, Garmin required an in-flight reset
5	Ambient Temperature	Comment: one high IWC events.
6	Flow Angle Sensors, Radome	Comment: ADIFR & BDIFR affected by ice. Use IWD & IWS for 2D winds
Dew Point and Humidity		
7	Dew Point sensors	Comment: DPR - OK; New DPL this flt. Range not adequate to reach low values - bad for flt
8	TDL Humidity	Comment:
9	PMS Liquid Water Sensor (King) (PLWC)	Comment:
10	Raw Icing-Rate Indicator (RICE)	Comment: DSM would not boot. Bad power supply
11	VCSEL Hygrometer	Comment: low laser power levels during fianl descent
Wing Stores		
12	UHSAS	Comment: usual issues as flight progresses. water in filter?
13	Cloud Droplet Probe (CDP)	Comment: DSM would not boot. Bad power supply
14	Microwave Temp Profiler (MTP)	Comment:
15	2D-C Particle Imager (25p)	Comment: minor gaps. in-flight DSM auto reboots occurred
16	Small Ice Detector (SID-II)	Comment:

OTHER MATERIAL IN THE PREDICT FIELD CATALOG

Summary of Missions



Pre-Depression Investigation of Cloud-systems in the Tropics




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[Research Products](#)
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Flight	Date	System	Operations Area	Maximum Intensity During System Lifetime	Catalog Products	GV Dropsonde km/s	DC8 Dropsonde km/s	Flight Summary	Notes
RF01	Aug 15	Disturbance	Western Atlantic	Disturbance	Operational Model Research	Points 1000mb Winds 925mb Winds 850mb Winds 700mb Winds 500mb Winds 250mb Winds		Mission Scientist Summary Science Director Summary	Shakedown investigation of stalled frontal boundary and upper tropospheric shear line in the vicinity of the Bahamas.
RF02	Aug 17	PG127 L	Caribbean	Disturbance	Operational Model Research	Points 1000mb Winds 925mb Winds 850mb Winds 700mb Winds 500mb Winds 250mb Winds		Mission Scientist Summary Science Director Summary	First mission into PG127 L which had only recently begun to develop deep convection.
RF03	Aug 18	PG127 L	Caribbean	Disturbance	Operational Model Research	Points 1000mb Winds 925mb Winds 850mb Winds 700mb Winds		Mission Scientist Summary Science Director	Second mission into PG127 L during which a large MCS developed in the northeastern part of the flight region.

OTHER MATERIAL IN THE PREDICT FIELD CATALOG

Summary of Missions



Pre-Depression Investigation of Cloud-systems in the Tropics



Catalog Home
Daily Reports
Operational Products
Model/Forecast Products
Research Products
Missions
Tools & Links
Data Access
Help ?

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[Summary of Missions](#)

[Science
Director
Summary](#)

Shakedown/Investigation of stalled frontal boundary and upper tropospheric shear line in the vicinity of the Bahamas.

[Mission
Scientist
Summary](#)

[Science
Director
Summary](#)

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- dropsonde soundings (Skew-T plots)
- video from the GV flights

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Other Special Products

- Special soundings from the surface
- COSMIC soundings
- Special-use plots (sometimes generated for transmission to the GV)
- links to data archives containing preliminary “quick-look” data

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